



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/772,455	01/29/2001	Michael D. Rahn	RSW920000148US1	7151
7590	10/06/2003		EXAMINER	PAN, YUWEN
Esther H. Chong, Esquire Synnestvedt & Lechner LLP 2600 Aramark Tower 1101 Market Street Philadelphia, PA 19107-2950			ART UNIT	PAPER NUMBER
2682				
DATE MAILED: 10/06/2003				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/772,455	RAHN ET AL.	
	Examiner Yuwen Pan	Art Unit 2682	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 12 March 2001.
- 2a) This action is FINAL.                  2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-47 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-47 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

#### Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some \* c) None of:
1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

#### Attachment(s)

- |  |  |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                  | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ . |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                         | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>4</u> . | 6) <input type="checkbox"/> Other: _____ .                                   |

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-5,9-12,15-17,21-24,29-31,35-27,39,40,43,45 are rejected under 35 U.S.C. 102(e) as being anticipated by Johnson et al (US006556826B1).

With respect to claim 1 and 2, Johnson discloses a docking device capable of synchronizing a host computer and a portable communications device when the communications device is docked in the docking device, wherein the docking device provides wireless communication between the portable communications device and the host computer without docking of the portable communications device in the docking device, wherein the docking device comprises: an antenna for transmitting and receiving radio signals to and from the portable communications device; and a signal processor, coupled to the antenna, for processing the radio signals to provide the cordless communication (see figure 3, items 306, 302, 300, 308, 303, and column 4 and lines 41-column 5 and line13).

With respect to claim 11, Johnson discloses a personal digital assistant (PDA) device for use with a host computer and a docking device connected to the host computer, the docking device capable of synchronizing the host computer and the PDA device when the PDA device is docked in the docking device, the docking device including an antenna for cordless

Art Unit: 2682

communication, the PDA device comprising: an antenna for cordlessly communicating with the antenna of the docking device; and a signal processor, coupled to the antenna of the PDA device, for processing signals received from the antenna, wherein cordless communication is established between the PDA device and the host computer through the antenna of the PDA device and the antenna of the docking device (see figure 3, items 306, 302, 300, 308, 303, and column 4 and lines 41-column 5 and line13).

With respect to claim 17, Johnson discloses a computer for establishing cordless communication with at least one personal digital assistant (PDA) using a docking device, the docking device capable of synchronizing the computer and the PDA when the PDA is docked in the docking device, the computer comprising: a processor for providing to the docking device at least one set of security keys to be used in the cordless communication with the PDA; and an interface, coupled to the processor, for interfacing communication between the processor and the docking device, wherein the cordless communication is established between the computer and the PDA through the docking device without docking of the PDA in the docking device (see figure 3, items 306, 302, 300, 308, 303, and column 4 and lines 41-column 5 and line13).

With respect to claim 21, Johnson discloses a communication system for establishing cordless communication in a computing environment, the system comprising:

- a host computer (see figure 3 and item 308);
- at least one portable communications device having an antenna for cordless communication with the host computer (see figure 3 and item 306, column 4 and lines 54-56);
- a docking device coupled to the host computer and having an antenna for communicating with the antenna of the portable communications device, whereby cordless

Art Unit: 2682

communication is established between the host computer and the portable communications device through the docking device without docking of the portable communications device in the docking device (column 4 and lines 41-column 5 and line13).

With respect to claim 36, Johnson discloses a method for establishing cordless communication between a host computer and at least one portable communications device using a docking device, wherein the docking device is connected to the host computer and capable of synchronizing the portable communications device and the host computer when the communications device is docked in the docking device, the method comprising: communicating a signal between the host computer and the portable communications device through the docking device without docking of the portable communications device in the docking device (see figure 3, items 306, 302, 300, 308, 303, and column 4 and lines 41-column 5 and line13).

With respect to claim 45, Johnson further discloses a computer program product embodied on computer readable media readable by a computing device, the product comprising: computer-readable program code means for providing personal digital assistant (PDA) functions to a portable communications device; and computer-readable program code means for configuring a host computer and the portable communications device to perform cordless communication each other through a docking device without requiring docking of the portable communications device in the docking device (column 4 and lines 41-column 5 and line13, column 6 and lines 32-51).

With respect to claims 3,12,22, Johnson further discloses wireless communication between two parties utilizes different telecommunication links such as PCS, CDMA or TDMA.

Either telecommunication link would be able to provide an operational range of about 100 to 300 ft (see column 1 and lines 30-42).

With respect to claims 4,23, Johnson further discloses the signal processor includes a transceiver and an interface for communication the host computer (see figure 3 and items 303, 305).

With respect to claims 5,24, Johnson further discloses a connection fro physically and electrically connecting the docking device to the host computer, wherein the radio signals process by the signal processor are delivered to the host computer through the connection see figure 3, column 5 and lines 26-43, column 5 and line 59-column 6 and line 6).

With respect to claims 8,15, Johnson further discloses data synchronization between the host computer and the portable communications device is performed using the antenna without the portable communications device docked in the docking device (see column 4 and lines 54-66).

With respect to claims 9,29,40, Johnson further discloses the portable communications device is a personal digital assistant (PDA) device (see figure 3 and item 306).

With respect to claim 10,16,30,43, Johnson further discloses the portable communication device is a telephone providing personal digital assistant (PDA) functions (see column 3 and lines 8-18).

With respect to claim 31, Johnson further discloses the docking device synchronizes the host computer and the portable communication device when the portable communications is docked in the docking device (see column 5 and lines 4-13).

With respect to claim 37, Johnson further discloses the docking device includes two wireless interfaces, and wherein the communicating step communicates the signal through both of them (see figure 3 and items 303 and 310, see column 4 and line 41-column 5 and line 3).

With respect to claim 39, Johnson further discloses the communicating step communicates the signal using Spread Spectrum technologies (see column 1 and line 40-42).

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 6,7,13,14,18-20,25-28,31-34,38,41,42,44,46,47 are rejected under 35 U.S.C. 103(a) as being unpatentable over Johnson et al (US006556826B1).

With respect to claims 6,7,13,14,18-20,25-28,32-34,38,41,42,44,46,47, Johnson discloses his invention includes a multipoint multichannel distribution path in which imply that his system is capable to communicate with more than one PDAs or other telecommunication devices simultaneously (see column 4 and lines 55-60).

Johnson doesn't disclose that each portable communication device has unique identifiers and the signal from the host computer to a plurality of PDAs, using a set of predetermined security keys (encryption and decryption codes) commonly assigned to the PDAs and each security keys assigned to the PDAs is different from each other.

Art Unit: 2682

The examiner takes "Official Notice" of the fact that is notoriously well known in the art to have distinguished ID assigned to each portable communication device within a system and provide unique security keys for each portable communication device, in order to avoid miscommunication between portable communications devices or the host computer and prevent unauthorized users to access the main facility.

Therefore, it would have been obvious to one ordinary skill in the art at the time the invention was made to utilize distinguish ID assigned to and provide unique security keys for each portable communication devices within Johnson's invention such that there would be no miscommunication between portable communications devices or the host computer and unauthorized users to access the main facility.

With respect to claim 31, Johnson further discloses the docking device synchronizes the host computer and the portable communication device when the portable communications is docked in the docking device (see column 5 and lines 4-13).

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yuwen Pan whose telephone number is 703-305-7372. The examiner can normally be reached on 8-5 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chin can be reached on 703-308-6739. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Art Unit: 2682

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-306-0377.

Yuwen Pan  
September 25, 2003



VIVIAN CHIN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600

9/30/03